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<div>(84)</div> <div>Designated Contracting States: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE Designated Extension States: AL LT LV MK RO SI</div> <div>(30)</div> <div>Priority: 19.07.1999 GB 9916908</div> <div>(71)</div> <div>Applicant: Nokia Corporation 02150 Espoo (FI)</div>	<div>(72)</div> <div>Inventor: Barnett, Ricky Minato-ku, Tokyo 105-0001 (JP)</div> <div>(74)</div> <div>Representative: Higgin, Paul et al Nokia IPR Department, Nokia House, Summit Avenue Southwood, Farnborough, Hampshire GU14 0NG (GB)</div>
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A card reader

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A SIM card reader comprising a housing (70) having a recess (72), having a substantially planar floor portion (74) and wall portions (78,76), sized to accommodate and thereby position the SIM card; resilient material within the recess and overlying at least portions of the recess floor; a dielectric substrate (90) within the recess and supported by the resilient material, having an upper surface substantially planar to the floor of the recess and having contact elements (100) extending from

the substrate upper surface away from the recess floor wherein each contact element comprises a raised three dimensional metallic structure which extends substantially perpendicularly relative to the substrate upper surface, from a base portion at the substrate upper surface to a free end of reduced area; and means for holding the SIM card within the recess while pressing the SIM card toward the recess floor whereby the resilient material is compressed and physical connection is made between the SIM card and the contact elements.

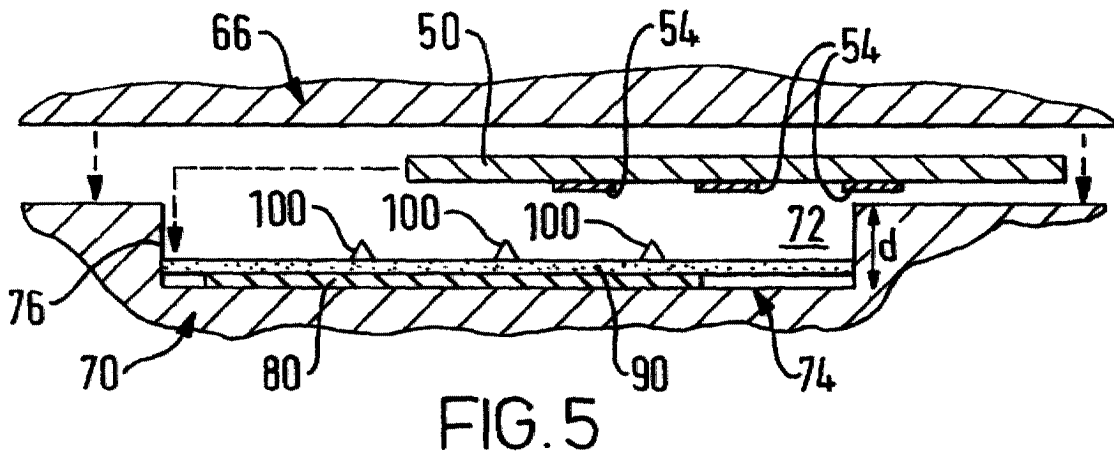


FIG. 5



European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number  
EP 00 30 4930

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The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>5 July 2002</b>	Examiner <b>Goossens, A</b>
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons  & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
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